



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Thomas R. Firman  
Serial No. : 09/852,049  
Filed : May 9, 2001  
Title : VOICE CONTROLLED COMPUTER INTERFACE  
Art Unit : 2641  
Examiner : David D. Knepper  
Conf. No. : 4504

**MAIL STOP AMENDMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Please consider the references listed on the attached PTO-1449 form.

Copies of United States patent documents will be provided upon request. Copies of all non-U.S. patent documents and other documents are enclosed. Non-patent documents marked by a \* have been provided to the examiner in a corresponding application U.S. serial no. 09/784,736, filed February 14, 2001, and are not provided here.

The applicant invites the examiner to consider the position of the examiner and replies by the applicant that have been set forth in the prosecution of the following United States patent applications. The specification of these other applications contains at least some material that is similar to the material set forth in the specification of this application. In addition, due to a clerical error, application serial number 09/784,736 presently includes certain claims that are similar or identical to the claims presented in the present application. The applicant intends to remedy this error in its next response. The applicant assumes that the examiner has direct access to these files, but will be happy to provide copies to the examiner upon request.

**CERTIFICATE OF MAILING BY FIRST CLASS MAIL**

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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A handwritten signature in cursive script, appearing to read "Lesley J. Arcidy".

Lesley J. Arcidy

Typed or Printed Name of Person Signing Certificate

Applicant : Thomas R. Firman  
Serial No. : 09/852,049  
Filed : May 9, 2001  
Page : 2 of 2

Attorney's Docket No.: 10591-003009

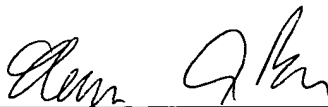
<u>Serial No.</u>	<u>Filing Date</u>	<u>Examiner's Name</u>	<u>Status</u>
09/784,736	02/14/2001	Angela A. Armstrong	Reply due
10/102,047	03/20/2002	Susan I. McFadden	Pending

With this Information Disclosure Statement, the applicant submits a Substitute Form PTO-1449 listing certain documents filed in or produced in connection with *Articulate Systems, Inc. v. Apple Computer, Inc.*, Civ. No. 96-10345-RGS (D. Mass.), litigation U.S. Patent No. 5,377,303, from which the present application claims priority. These documents are being delivered to the patent office in six separate boxes. Other documents associated with this litigation are subject to a protective order governing their disclosure.

This filing is being made with the filing of a Request for Continued Examination. No fee is required. Please apply any charges or credits to Deposit Account No. 06-1050, reference 10591-003009.

Respectfully submitted,

Date: 12/8/06

  
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Thomas A. Brown  
Reg. No. 54,169

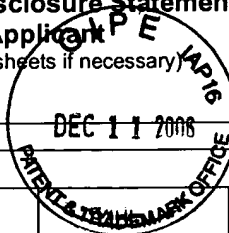
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Substitute Form PTO-1449  
(Modified)U.S. Department of Commerce  
Patent and Trademark OfficeAttorney's Docket No.  
10591-003009Application No.  
09/852,049**Information Disclosure Statement  
by Applicant**

(Use several sheets if necessary)

(37 CFR §1.98(b))

Applicant  
Thomas R. FirmanFiling Date  
May 9, 2001Group Art Unit  
2641**U.S. Patent Documents**

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	4,726,065	02/16/1998	Froessl			
	AB	5,157,384	10/1992	Greanais			
	AC	5,027,406	06/1991	Roberts			
	AD	5,377,303	12/1994	Firman			
	AE	6,684,188	01/2004	Mitchell et al.			

**Other Documents (include Author, Title, Date, and Place of Publication)**

Ex. Initials	BATES NO. BEGIN	BATES NO. END	AUTHOR(S)	DOC. DATE	DOCUMENT DESCRIPTION
	A 000110	A 000110	Skenyon, John	1996-02-22	Letter to V. Randall Gard from John Skenyon re infringement charges
	A 000132	A 000138	N/A	1985	The Official Proceedings of Speech Tech '85 Voice Input/Output Applications Show and Conference April 22-24, 1985 New York City Produced by Media Dimensions, Inc. Vol 1, Number 2
	A 000139	A 000144	Kurzweil, Raymond	1985	The Kurzweil Voice Writer™-A Large Voice Activated Word Processor ©Speech Tech '85 pp33-38
	A 000145	A 000148	Goldhor, Richard	1985	"A Large-Capacity Highly-Programmable Speech Recognition System" ©Speech Tech '85 pp123-126
	A 000164	A 000183	N/A	1987	Apple® Human Interface Guidelines: The Apple Desktop Interface. Addison-Wesley Publishing Company, Inc. ©1987 pp iii-x, 2-3, 11, 13, 16-17, 95, 96, 97
	A 000184	A 000207	N/A	N/A	"The Toolbox Event Manager" chapter 8 from <i>Inside Macintosh</i>
	A 000208	A 000208	Feigenbaum, David	1995-10-30	Letter to Randy Gard from David Feigenbaum enclosing U.S. Patent 5,377,303 file history and cited references
	A 000209	A 000622	Thomas R. Firman	N/A	File history of U.S. 08/165,014
	A 000767	A 000771	Lacoume, J.L., Chehikian, A., Martin, N., Malbos, J. (Editors)	1988	"Signal Processing IV: Theories and Applications" Proceedings of EUSIPCO-88 Fourth European Signal Processing Conference

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May 9, 2001Group Art Unit  
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					Grenoble, France, September 5-8, 1988 Elsevier Science Publishers B.V. © EURASIP 1988
	A 000772	A 000780	Lange, Holley	1990	"Voice Recognition and Voice Response: A Report of Tomorrow's Technologies" Proceedings of the Eleventh National Online Meeting May 1-3, 1990. pp 233-240
	A 000781	A 000785	Caelen, J., and Vigouroux, N.	1986	"An Acquisition of Research System for An Evolving Nucleus of Acoustic-Phonetic Knowledge" Eighth International conference on Pattern Recognition. Paris, France October 27-31, 1986. pp 896-898
	A 000786	A 000797	Tanaka, Kazuyo, Hayamizu, Satoru, and Ohta, Kozo	1990	"Sorting and Clustering of Acoustic-Phonetic Variations Based on a Fine-Labeled Speech Database with Applications for Automatic Word Recognition" Transactions of the Institute of Electronics, Information and Communication Engineers Series D. Vol. J73- D-II No. 10 October 1990. pp 1619-1629
	A 000818	A 000820	Evans, Dale	1989-03-00	"Talking to the Bug". Microcad News. March 1990. pp58-60
	A 000821	A 000829	Yavelow, Christopher	1986-06-00	"Digital Sampling on the Apple Macintosh" BYTE. June 1986. pp 171-183
	A 000830	A 000832	Head, John	1987-03-02	"Boulder Software Firm Has Affinity of MAC" The Denver Business Journal. Volume 38 No 23 Sec 1 pg 15. Denver Business Times © 1987
	A 001015	A 001024	Calingaert, Peter	N/A	"Assemblers, Compilers, And Program Translation" Initial Source-Language Processing. pp 142-150
	A 0001025	A 001040			Inside Macintosh Volume I. <i>The Toolbox Event Manager</i> . pp 243-256 © 1985
	A 001063	A 001065	Peterson, James and Silberschatz, Abraham	1985	"Operating System Concepts" Addison- Wesley Publishing Company © 1985. p136
	A 001066	A 001069	Caelen, J. and Vigouroux, N.	1986	"An Acquisition and Research System for an Evolving Nucleus of Acoustic-Phonetic Knowledge". Eighth International conference on Pattern Recognition. Paris, France October 27-31, 1986. pp 896-898
	A 001070	A 001081	Tanaka, Kazuyo, Hayamizu, Satoru, and Ohta, Kozo	1990	"Sorting and Clustering of Acoustic-Phonetic Variations Based on a Fine-Labeled Speech Database with Applications for Automatic Word Recognition" Transactions of the

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Ex. Initials	BATES NO. BEGIN	BATES NO. END	AUTHOR(S)	DOC. DATE	DOCUMENT DESCRIPTION
					Institute of Electronics, Information and Communication Engineers Series D. Vol. J73-D-II No. 10 October 1990. pp 1619-1629
	A 001082	A 001086	Brandetti, M., D'Orta, P., Ferretti, M., Scarci, S.	1988	"Building Reliable Large Speech databases: an Automated Approach" Signal Processing IV: Theories and Applications. ©EURASIP 1988. pp147-150.
	A 001087	A 001091	N/A	1989	Information on SID™ Software The HearHere Toolbox© 1989 by SID Products
	A 001092	A 001105	N/A	N/A	SID-II Assembly and Use Manual
	A 001106	A 001112	Shipman, Ty	1985	"MacRecorder A Speech digitizer for the Macintosh" Fall 1985 BMUG Newsletter pp 51-57
	A 001171	A 001171	N/A	1992-11-09	Preliminary Amendment for Voice Controlled Computer Interface
	A 001172	A 001886	N/A	N/A	Voice Navigator™ Developer's Reference Manual
	A 001887	A 002074	N/A	1993-12-17	Copy of the Appendix of U.S. Patent Application 07/973,435-Voice Controlled Computer Interface
	A 002075	A 002085	Feigenbaum, David	1992-11-09	Information Disclosure Statement for Voice Controlled Computer Interface
	A 002086	A 002092	Feigenbaum, David	1992-09-24	Fax to Examiner Michelle Doerrier from Feigenbaum re request for comments on attached claims
	A 002093	A 002313	N/A	N/A	File history for 07/370,779
	A 002314	A 002750	n/A	N/A	Voice Navigator User's Manual (Appendix E to Application for Voice Controlled Computer Interface)
	A 002751	A 002990	N/A	N/A	Voice Navigator™ Developer's Reference Manual (Appendix D to Application for Voice Controlled Computer Interface)
	A 002991	A 002993	Parfitt, Rick	1993-07-28	Email to Steve Austin, Gerry Beauregard, Yen-Lu Chow, Stuart Davidson, Peter de Souza, Adam Fineberg, Kamil Grajski, Caroline Henton, Hsiao-Wuen Hon, Ted Kopulous, Kai-Fu Lee, Schoot Meredith, Shankar Narayan, Roque Otero, Tick Parfitt, Christine Pfeiler, Amy Snodgrass, Bob Strong, Jeff Tuckerwood, Baosheng Yuan re Office Memo Articulate & VPC
	A 003152	A 003154	Schlossareck, Steve	1994-01-10	Letter to Ivan Mimica from Schlossareck re attached letter rewarding Master Software Development Agreement

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Substitute Form PTO-1449 (Modified)  <b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10591-003009	Application No. 09/852,049
	Applicant Thomas R. Firman		
	Filing Date May 9, 2001	Group Art Unit 2641	

Ex. Initials	BATES NO. BEGIN	BATES NO. END	AUTHOR(S)	DOC. DATE	DOCUMENT DESCRIPTION
	A 003159	A 003160	Durlach, Peter	1993-11-16	Email to Gursharan Sidhu, Michael Bayer, Tom Ryan, Tim Schaaff re Office Memo from Ivan Mimica Postponing telecom dev...
	A 003161	A 003161	Ryan, Tom	1993-11-22	Letter to Ivan Mimica from Ryan re presentation of dictation application
	A 003212	A 003218	Durlach, Peter	1993-04-06	Fax to Tim Schaaff from Durlach re Personal Secretary Brochure
	A 003228	A 003232	De Puy Morgan, Dana	N/A	Letter to Developer from De Puy Morgan re ASI Developer enclosing information
	A 003233	A 003234	N/A	N/A	Voice Navigator Sw & II Ad
	A 003235	A 003235	N/A	N/A	Postcard-Articulate Systems-Is on the Move
	A 003236	A 003239	Ito, Russell	1991-09-00	"Voice Navigator II" MacUser. September 1991
	A 003240	A 003241	N/A	N/A	Voice Impact vs MacRecorder Ad and Information
	A 003242	A 003252	N/A	N/A	Voice Navigator Release
	A 003253	A 003254	N/A	N/A	Voice Navigator SW & II Ad and Information
	A 003255	A 003256	Morgan, Tom	1992-03-26	Fax to Eric Hulteen from Morgan re NDA
	A 003258	A 003258	De Puy Morgan, Dana	N/A	Letter to Articulate Systems Developer from De Puy Morgan re product update
	A 003259	A 003259	N/A	N/A	Articulate Systems Confidential Developer Pricing
	A 003261	A 003261	N/A	1992-03-34	Non-Disclosure Agreement between Articulate and Apple
	A 003262	A 003263	Morgan, Timothy	1992-03-25	Email to Hulteen from Timothy Morgan re Dutchman
	A 003264	A 003265	N/A	1992-03-24	Handwritten Notes
	A 003268	A 003268	Oberholder, Jane	1990-06-13	Email to Evangelism, Bill Goins, Brian Loucks, Wayne Dyer, Karl May, Susan Marsal, Neil Cormia, Michael Bartlow, Tom Ryan, Scott Converse, David Szetela, Jim Reekes, John Worthington, Bruce Leak, George White, Eric Hulteen, Steve Milne, Don Field, Katie Povejsil, Dan Eilers, Lawrence Lieberman, Horace Enea from Oberholder re Articulate Speaks, Reminder
	A 003269	A 003270	Mattioli, Lisa	1990-07-16	Email to Apple Integrated Systems, AA's of Advanced Technology Group, Advanced Technology Managers, Field Marketing Specialists, AppleLink 5.5 Group, AppleTV Members, CPU Product Marketing, Developer Tools\$, Monroe AA/Administrators, multimedia Group, Special Education from Mattioli re Invite fr: Articulate Sys.7/20
	A 003273	A 003274	N/A	1992-02-27	Email to Eric Hulteen from Lisa@media-

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	Applicant Thomas R. Firman		
	Filing Date May 9, 2001	Group Art Unit 2641	

Ex. Initials	BATES NO. BEGIN	BATES NO. END	AUTHOR(S)	DOC. DATE	DOCUMENT DESCRIPTION
					lab.media.edu re Voice Nav II Questions/Cables
	A 003275	A 003276	Morgan, Timothy	1992-03-25	Email to Eric Hulteen from Morgan re Dutchman
	A 003277	A 003277	Stifelman, Lisa	1992-05-05	Email to Eric Hulteen from Stifelman re Voice Driver for 040's
	A 003278	A 003278	Hulteen, Eric	1992-05-15	Email to Dana Morgan from Hulteen re VN SW Support API
	A 003279	A 003279	Morgan, Dana	1992-05-18	Email to Eric Hulteen from Morgan re VN SW Support API
	A 003280	A 003281	Hulteen, Eric	1992-05-18	Email to Dana Morgan from Hulteen re VN/SW API, 2
	A 003282	A 003284	N/A	N/A	Voice Navigator SW Press Release
	A 003285	A 003287	N/A	N/A	Voice Navigator II Press Release
	A 003288	A 003290	N/A	N/A	ASI Developer Information Kit
	A 003296	A 003296	Hulteen, Eric	1992-07-15	Email to Timothy Morgan from Hulteen re Articulate visit to Apple
	A 003297	A 003297	Hulteen, Eric	1992-07-16	Email to Andy Soderberg from Hulteen re Articulate Systems
	A 003298	A 003298	Hulteen, Eric	1992-07-24	Email to Dana Morgan from Hulteen re Software-Only VN for PowerBook
	A 003299	A 003299	Hulteen, Eric	1992-07-24	Email to Dana Morgan from Hulteen re Voice Nav. II HW Available
	A 003300	A 003300	Hulteen, Eric	1992-07-24	Email to Dana Morgan from Hulteen re Please send product catalog
	A 003301	A 003301	Hulteen, Eric	1992-07-27	Email to Dana Morgan from Hulteen re Software-Only VN for P
	A 003302	A 003302	Morgan, Dana	1992-07-27	Email to Eric Hulteen from Morgan re Voice Nav. II HW avail
	A 003303	A 003303	Morgan, Dana	1992-09-01	Email to Eric Hulteen from Morgan re Invoice for Voice Nav
	A 003307	A 003308	Durlach, Peter	1994-10-04	Email to Hulteen from Durlach re PowerSecretary Sta
	A 003309	A 003311	Hulteen, Eric	1994-10-06	Email to Durlach from Hulteen re PowerSecretary Status
	A 003312	A 003313	Durlach, Peter	1994-0-11	Email to Eric Hulteen from Durlach re PowerSecretary St
	A 003319	A 003319	Morgan, Timothy	1991-03-02	Email to Canada-SSA Exec Brief Centre et al. from Morgan re Voice Navigator Testing
	A 003320	A 003320	Hulteen, Eric	1992-02-26	Email to Dana Morgan from Hulteen re Voice Nav II Questions
	A 003448	A 003450	Durlach, Peter	1993-11-16	Email to G. Sidhu from Durlach re postponing telecom dev.
	A 003542	A 003544	N/A	1995-09-05	Email to Dick Toepfer from EHA@ARTSYS.com

Examiner Signature	Date Considered
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		Applicant Thomas R. Firman	
		Filing Date May 9, 2001	Group Art Unit 2641

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	A 003553	A 003553	Schaaf, Tim	1993-07-14	Email to Peter Durlach from Tim Schaaf re Tempest unit on the way!
	A 003593	A 003596	N/A	1992	The Macintosh Telephony Architecture & WorldPort © 1992 Apple Computer, Inc.
	A 003597	A 003605	Durlach, Peter	N/A	Memo to Vito Salvaggio, Andy Soderberg, Michael Bayer from Durlach re Articulate Systems <i>Personal Secretary</i> Features & Requirements
	A 003646	A 003676	N/A	1991-12-06	Functional Specification for Voice Control 3.0 revision 0.9
	A 003677	A 003681	N/A	N/A	Proposal for System Software Modifications ASI Control
	A 003729	A 003729	N/A	1988-12-02	Letter to Mike Dilts from Articulate Systems re offer
	A 003730	A 003734	N/A	N/A	Voice Navigator™ 200 and Voice Navigator™ 1000 Overview and Features
	A 003735	A 003736	Jelinek, Frederick	1988-06-01	"The Development and Use of a 20,000 speech-driven word processor" Presented at KBS in Government. Online Publications © 1988 p163
	A 003737	A 003740	Davis, Michael and Pencikowski, Paul	1988	"Reconfigurable Cockpit Development" Northrop Corporation, Aircraft Division. ©1988 IEEE. pp840-843
	A 003741	A 003755	N/A	1988-05-23/27	National Aerospace Electronics Conference Volume 1 of 4. Table of Contents and Author's Index.
	A 003756	A 003763	Hartley, Craig and Pulliam, Robert, Ph.D.	1986	"Use of Heads-Up Displays Speech Recognition, and Speech Synthesis in Controlling a Remotely Piloted Space Vehicle" ©1986 IEEE pp 338-345
	A 003764	A 003776	Fisher, McGreevy, Humphries, Robinett	1986-10-23/24	"Virtual Environment Display System". 1986 Workshop on interactive 3D Graphics. Department of Computer Science University of North Carolina, Chapel Hill. pp. 77-87
	A 003777	A 003782	Riley, Christine	1987	"Experiences with an Integrated Voice and Text Message Service" Proceedings of the Human Factors Society-31 <sup>st</sup> Annual Meeting-1987. pp 270-274
	A 003783	A 003786	Schnabl, Johann, Boissinot, Rodney	1987	"A Voice-Controlled Integrated Communication Workstation" Speech Technology Oct/Nov. 1987 pp 54-57
	A 003787	A 003791	Wanstall, Brian	1987-06-00	"DVI in the Military Cockpit" Interavia. June 1987. pp 655-660.
	A 003792	A 003806	Mitchell, Christine	1987	"Multimodal User Input to Supervisory Control Systems: Voice-Augmented

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(37 CFR §1.98(b))

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					Keyboard" IEE Transactions on Systems, Man and Cybernetics. Vol SMC-17 No. 4 July/August 1987. pp 594-607
	A 003807	A 003817	Stubben, Mark	N/A	"Pilot's Perspective of the Advanced Fighter Technology Integration Automated Maneuvering Attack System" Air Force Flight Test Center Edwards AFB, California
	A 003818	A 003827	Beckett, P.	1986-04-15/18	"Voice Control of Cockpit Systems" NATO Advisory Group for Aerospace Research and Development. Information management and Decision Making in Advanced Airborne Weapons Systems. Papers presented.
	A 003828	A 003834	Fischer, McGreevy, Humphries, Robinett	1986-10-00	"Virtual Workstation: A Multimodal, Stereoscopic Display Environment" SPIE Vol. 726 Intelligent Robots and Computer Vision. pp 517-522
	A 003835	A 003841	Hewish, Mark	1987	"Tactical Data Displays More Than Meets the Eye" International Defense Review. March 1987
	A 003842	A 003851	Phillip, George and Young, Elizabeth	1987	"Man-machine interaction by voice: Developments in speech technology. Part II: General applications, and potential applications in Libraries and Information Services". ©1987 Elsevier Science Publishers B.V. pp 15-23
	A 003852	A 003856	Fisher, Scott	N/A	"Virtual interface Environment" Aerospace Human Factors Research Division. NASA Ames Research Center. pp346-350
	A 003857	A 003866	Hartley, Craig and Pulliam, Robert	1988	"Use of Heads-Up Displays, Speech Recognition and Speech Synthesis in Controlling a remotely Piloted Space Vehicle" IEEE AES Magazine. July 1988. pp 18-26
	A 003867	A 003872	Moore, Thomas and McKinley, Richard	1987	"Speech Research at the Armstrong Aerospace Medical Research Laboratory" Speech Tech '87 pp 156-159
	A 003873	A 003878	Simpson, Carol; Ruth, John; Moore, Carolyn	1986	"Integrating Speech Technology to Meet Crew Station Design Requirements" ©1986 IEEE pp 324-329
	A 003879	A 003884	Forren, M.G. and Mitchell, C.M.	1986	"Multi-Modal Interfaces in Supervisory Control" Proceedings of the human Factors Society-30 <sup>th</sup> annual Meeting-1986. pp 317-321
	A 003885	A 003892	Forren, Michelle and Mitchell, Christine.	1986	"Voice Input in Real Time Decision Making" Proceedings of the 1986 IEEE International Conference on Systems, Man and Cybernetics. October 14-17, 1986 pp 879-884.

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Substitute Disclosure Form (PTO-1449)

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	A 003893	A 003897	Gregg, AD and Klimpke, CMH	1986	"A Modular Multiprocessor Simulation Philosophy". Second International Conference of Simulators. September 7-11, 1986.
	A 003898	A 003903	Gibson, CP and Furness, TA	1986	"Effective Control Strategies for the Virtual Cockpit" SID 86 Digest. Pp 448-451
	A 003904	A 003908	Reif, P.D.	1986	German Article. "Interactive Measuring Equipment in Vehicles" Technisches Messen <sup>TM</sup> pp.138-141
	A 003909	A 003911	Schiffler, Richard and Pinkus, Alan	N/A	"Human Factors Research and Development Requirements for Future Aerospace Cockpit Systems" Aeronautical Systems Division. Wright-Patterson AFB. Pp 883-885
	A 003912	A 003924	Dana, William; Smith, William and Howard, John	1986	"Pilot Vehicle Interface on the Advanced Fighter Technology Integration F-16" ©1986 IEEE pp595-607
	A 003925	A 003929	Ferber, Leon	1986-09-00	"Source Data Entry Alternatives" P&IM Review with APICS September 1986. pp 56-75
	A 003930	A 003934	Hacker, Michael	1986	"Integrated Voice Data Collection for Hybrid Inspections" Speech Technology. March/April 1986. pp76-80
	A 003935	A 003939	Reising, J.M and Moss, Richard	1986-01-00	"The Symbiotic Cockpit". IEE AES Magazine. January 1986. pp 24-27
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Substitute Form PTO-1449  
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Patent and Trademark OfficeAttorney's Docket No.  
10591-003009Application No.  
09/852,049**Information Disclosure Statement  
by Applicant**

(Use several sheets if necessary)

(37 CFR §1.98(b))

Applicant  
Thomas R. FirmanFiling Date  
May 9, 2001Group Art Unit  
2641

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<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)		Applicant Thomas R. Firman	
		Filing Date May 9, 2001	Group Art Unit 2641

(37 CFR §1.98(b))

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	Applicant Thomas R. Firman		
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Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)  <b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10591-003009	Application No. 09/852,049
	Applicant Thomas R. Firman		
	Filing Date May 9, 2001	Group Art Unit 2641	

Ex. Initials	BATES NO. BEGIN	BATES NO. END	AUTHOR(S)	DOC. DATE	DOCUMENT DESCRIPTION
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	Applicant Thomas R. Firman		
	Filing Date May 9, 2001	Group Art Unit 2641	

Ex. Initials	BATES NO. BEGIN	BATES NO. END	AUTHOR(S)	DOC. DATE	DOCUMENT DESCRIPTION
					(1988) 28, 583-604.
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	A 005879	A 005888	Schmandt, Christopher	1986-05-00	"Voice and Graphics in a Conversational Office Environment". Proc. Of the Second Annual Artificial Intelligence & Advanced Computer Technology Conference. April 29-May 1, 1986. pp 445-451
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<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)		Applicant Thomas R. Firman	
		Filing Date May 9, 2001	Group Art Unit 2641

(37 CFR §1.98(b))

Ex. Initials	BATES NO. BEGIN	BATES NO. END	AUTHOR(S)	DOC. DATE	DOCUMENT DESCRIPTION
					Technology Special Edition: 1983 Buyer's Guide Issue. Jan/Feb 1983. pp 7, 9, 20-21, 45-53, 57-61, 111, 116 & 130
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Substitute Disclosure Form (PTO-1449)

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(Modified)U.S. Department of Commerce  
Patent and Trademark OfficeAttorney's Docket No.  
10591-003009Application No.  
09/852,049**Information Disclosure Statement  
by Applicant**

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(37 CFR §1.98(b))

Applicant  
Thomas R. FirmanFiling Date  
May 9, 2001Group Art Unit  
2641

Ex. Initials	BATES NO. BEGIN	BATES NO. END	AUTHOR(S)	DOC. DATE	DOCUMENT DESCRIPTION
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	A 006255	A 006255	N/A	N/A	MY HD Subfolders
	A 006256	A 006284	N/A	1990-91	Voice Extension (VXTN) Information ©1990-91, Articulate Systems
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	A 007526	A 007526	Skenyon, John	1996-02-22	Letter to Randall Gard from Skenyon re

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		Applicant Thomas R. Firman	
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	A 007546	A 007551	N/A	1995-01-31	D&B Business Information Reports for Articulate Systems.
	A 007552	A 007555	N/A	N/A	Claims to US Patent 5,377,303
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	A 007619	A 007691	N/A	1988	Auto Mac III. Macro Recorder. ©1988 Microsoft Corporation
	A 007692	A 007814	N/A	1988	Tempo II. ©1988 Infinity Microsystems.
	A 007815	A 007820	Stewart, Brad	1988	"Voice Master Key: An Affordable Recognition System for PCs". Speech Technology Sept/Oct 1988
	A 007821	A 007844	N/A	N/A	"The Toolbox Event Manager". Inside Macintosh
	A 007845	A 007847	N/A	1986-01-00	MacTutor-The Macintosh Programming Journal. Volume 2 No. 1. January 1986.
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	A 007876	A 007880	Brown, Phillip	1988	<i>HyperDictionary</i> . © 1988. Van Nostrand Reinhold Company. pp 56 & 74
	A 007881	A 007882	N/A	1988-10-00	"Short Takes-Voice Navigator". The Human Interface Review. ©1988 Apple Computer
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	A 007914	A 007921	Mathews, Keith	1985	<i>Assembly Language Primer for the Macintosh</i> . ©1985. The Waite Group. Pp 91- 93; 149-150
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	A 007946	A 007971	Little, Gary	1986	<i>Mac Assembly Language</i> . ©1986. pp. 195-222

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	A 007972	A 007973	Salvaggio, Vito	1993-02-24	Email to James Stair et al from Salvaggio
	A 007974	A 007974	Morgan, Timothy	1992-08-13	Email to Michael Bayer from Morgan re Follow Up
	A 007975	A 007976	Schaaff, Timothy	1993-04-01	Email to Vito Salvaggio et al from Schaaff re Articulate Funding Follow-Up
	A 007977	A 007978	Zimmerman	1991-09-17	Email to Michael Bayer from Zimmerman re Question to Mike Bayer
	A 007979	A 007979	Kelts, David	1993-06-28	Email to Michael Bayer et al from Kelts re ASI needs Apple APIs
	A 007980	A 007980	Kelts, David	1993-07-14	Email to Michael Bayer from Kelts re ASI needs Mail Manager API
	A 007981	A 007982	Durlach, Peter	1993-02-19	Email to Michael Bayer from Durlach re ASI Pod bid
	A 007983	A 007983	Zimmerman	1992-06-30	Email to Jim Pelkey from Zimmerman re ASI Product Plan & OCE
	A 007985	A 007985	Morgan, Timothy	1992-08-27	Email to Andy Soderberg from Morgan re ASI Update
	A 007986	A 007987	Durlach, Peter	1993-02-01	Email to Peter Durlach, Michael Bayer et al. from Durlach re ASI/Cyclone Update
	A 007988	A 007988	Durlach, Peter	1992-12-03	Email to Developer Support Center from Durlach re Cyclone DSP Manager Problem
	A 007989	A 007990	Durlach, Peter	1993-04-01	Email to Michael Bayer et al from Durlach re Cyclone Pod
	A 007991	A 007991	Durlach, Peter	1993-02-04	Email to Michael Bayer from Durlach re ASI/Cyclone Update
	A 007992	A 007993	Durlach, Peter	1993-02-04	Email to Michael Bater from Durlach re ASI/Cyclone Update
	A 007994	A 007994	N/A	N/A	Correspondence from "Michael" re enclosed API
	A 007995	A 007997	Kelts, David	1993-07-13	Email to Gursharan, Sidhu from Kelts re Mail Manager API
	A 007998	A 007999	Durlach, Peter	1993-04-14	Email to Michael Bayer from Durlach re Mail Manager API
	A 008000	A 008000	Durlach, Peter	1993-01-28	Email to Michael Bayer from Durlach re Mtg with ASI
	A 008001	A 008001	Morgan, Timothy	1992-10-15	Email to Jim Pelkey et al from Morgan re Received the MSAM Chapter
	A 008002	A 008004	Durlach, Peter	1993-03-04	Email to Kris Nagel from Durlach re New ASI Telecom products
	A 008005	A 008005	Kelts, David	1992-11-03	Email to Jim Pelkey from Kelts
	A 008006	A 008007	Durlach, Peter	1993-02-18	Email to Ron Dumont from Durlach re PS related Open Issues
	A 008008	A 008009	Morgan, Timothy	1992-10-22	Email to Michael Bayer et al from Morgan re Purpose of remote Voice D
	A 008014	A 008014	Morgan, Timothy	1992-07-20	Email to Michael Bayer from Morgan re

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					ASI/Apple Mtg
	A 008015	A 008016	Kelts, David	1993-07-14	Email to Michael Bayer from Kelts re ASI assurances on mail API and response
	A 008017	A 008017	Durlach, Peter	1992-12-09	Email to Michael Bayer from Durlach re AT&T and response
	A 008018	A 008018	Corchado, Veronica	1993-02-25	Email to Michael Bayer from Corchado re Contact in Small Business?
	A 008019	A 008019	Boone, Jeff	1992-12-07	Email to David Kelts from Cyclone DSP Manager Prob.
	A 008020	A 008021	Morgan, Timothy	1992-07-13	Email to Michael Bayer from Morgan re Help and response
	A 008022	A 008023	Durlach, Peter	1992-12-09	Email to Michael Bayer from Durlach re Phone Conversation Follow-up and response
	A 008024	A 008026	Dumont, Ron	1993-02-18	Email to Peter Durlach et al from Dumont re PS related Open Issues
	A 008027	A 008027	Salvaggio, Vito	1993-01-24	Email to Rick Parfitt from Salvaggio re Articulate and Cyclone
	A 008028	A 008028	Kelts, David	1992-07-13	Email to Michael Bayer from Kelts re Standard Fax File Format
	A 008029	A 008030	Kelts, David	1992-12-05	Email to Jim Pelkey from Kelts re OCE-Foreign MailReader
	A 008031	A 008032	Morgan, Timothy	1992-07-14	Email to Michael Bayer from Pelkey re Help
	A 008033	A 008034	Durlach, Peter	1993-04-16	Email to Michael Bayer from Durlach re Mail Manager API
	A 008035	A 008037	Durlach, Peter	1993-02-05	Email to Michael Bayer from Durlach re Personal Secretary
	A 008038	A 008039	Morgan, Timothy	1992-06-05	Email to Michael Bayer from Morgan re RJ
	A 008040	A 008040	Kelts, David	1992-08-26	Email to Michael Bayer from Kelts re Serial Port Power Consumption
	A 008041	A 008042	Durlach, Peter	1992-12-22	Email to Vito Salvaggio et al from Durlach re Spanish Govt Project & Cy
	A 008043	A 008043	Kelts, David	1993-02-08	Email to Michael Bayer from Kelts re Telephone Pod Schedule P1
	A 008044	A 008044	N/A	N/A	Email to Peter from Michael re response to voicemail
	A 008045	A 008045	Durlach, Peter	1993-08-13	Email to Michael Bayer from Durlach re Upcoming trip
	A 008061	A 008069	Durlach, Peter	1996-06-07	Memo to John Cook from Durlach re Articulate Systems Personal Secretary Features & Requirements
	A 008070	A 008078	Durlach, Peter	1996-06-07	Memo to Vito Salvaggio et al from Durlach re Articulate Systems Personal Secretary Features & Requirements
	A 008079	A 008081	N/A	1996-06-07	Macintosh Telephony Product Plan
	A 008082	A 008083	Durlach, Peter	1993-01-21	Memo to G. Sidhu from Durlach re Personal

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Applicant  
Thomas R. FirmanFiling Date  
May 9, 2001Group Art Unit  
2641

Ex. Initials	BATES NO. BEGIN	BATES NO. END	AUTHOR(S)	DOC. DATE	DOCUMENT DESCRIPTION
					Secretary
	A 008084	A 008085	N/A	1992-05-15	Press Release "Articulate Systems, Inc. Announces Voice Navigator SW, A Software Based Voice Recognition Application"
	A 008086	A 008089	N/A	N/A	Continuation of patent application 07-370,779
	A 008104	A 008106	N/A	1995-08-07	Apple Computer Press Release "Powerful New Apple Speech Technology Software Included with New Power Macintosh Systems"
	A 008107	A 008108	N/A	1987	The Macintosh Buyers Guide. Summer 1987
	A 008109	A 008117	Poole, Lon	1988-03-00	"Quick Tips". MacWorld March 1988. pp 201-202, 204, 206, 208, 210
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	A 008136	A 008139	N/A	1987-06-00	MacTutor. The Macintosh Programming Journal. Vol. 3. No. 6, June 1987
	A 008140	A 008149	N/A	1987-09-00	MacTutor. The Macintosh Programming Journal. Vol. 3 No. 9. September 1987
	A 008150	A 008153	N/A	1987-05-00	MacTutor. The Macintosh Programming Journal. Vol. 3 No. 5. May 1987
	A 008154	A 008161	Knaster, Steve et al	1992	Macintosh Programming Secrets. Second Edition. ©1987. Addison-Wesley Publishing Company. Pp. 93, 432-435
	A 008162	A 008228	Chernicoff, Stephen	1985	Macintosh Revealed. Volume 2. ©1985 Hayden Book Company. Pp. vi-xii, 9-64
	A 008229	A 008237	Zue, Victor et al	N/A	"The Voyager Speech Understanding System: A Progress Report". Spoken Language Systems Group Laboratory for Computer Science. MIT. Pp. 51-59
	A 008238	A 008245	Leatherby, James, et al	1992-07-00	"Voice Input as a Replacement for Keyboard Accelerators in a Mouse-Based Graphical Editor: An Empirical Study". Journal of the American Voice I/O Society. Volume 12. pp.69-75
	A 008246	A 008249	Venis, Jalyann	1991-11-00	"The next leap in interactive computing". To the Point. November 1991. pp. 27-29
	A 08250	A 008251	N/A	N/A	5 <sup>TH</sup> Annual Eddy Awards: MacUser Presents the Top 40 Products of the Year, MacUser.
	A 008252	A 008252	Levy, Steven D.	1989-12-04	Letter to T. Ivan Mimica from Levy re emergence of voice and data processing applications
	A 008253	A 008253	Martin, James E.	1989-04-19	Letter to T. Ivan Mimica from Martin re presentation given by Mimica on voice

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		Applicant Thomas R. Firman	
		Filing Date May 9, 2001	Group Art Unit 2641

**Information Disclosure Statement**  
**by Applicant**  
 (Use several sheets if necessary)

(37 CFR §1.98(b))

Ex. Initials	BATES NO. BEGIN	BATES NO. END	AUTHOR(S)	DOC. DATE	DOCUMENT DESCRIPTION
					recognition possibilities
	A 008254	A 008254	Landau, Kenneth	1990-05-23	Letter to Ivan Mimica from Landau re voice recognition applications
	A 008255	A 008255	Oziel, Sidney	1989-03-23	Letter to Dr. Stavros Cademenos from Oziel re Voice Navigator used in presentation to Authorized Apple Resellers
	A 008256	A 008256	Dumont, Ron	1989-10-09	Letter to Ivan Mimica, cc: Tim Morgan and David Fish from Dumont re meeting with A.S.I. on October 5 <sup>th</sup> ; "Mini-Navigator"; "Fax-Navigator"; speech interface with Apple Computers
	A 008257	A 008257	Dumont, Ron	1990-01-19	Letter to Ivan Mimica from Dumont re plans for the software-only version of the Voice navigator
	A 008258	A 008258	Tino, Mark S.	1989-03-13	Letter to Ivan Mimica from Tino re follow up to meeting regarding the Voice Navigator; opportunity to support efforts to introduce the product
	A 008259	A 008260	Colby, Charles	1990-04-27	Letter to Ivan Mimica from Colby re Voice Navigator demonstration; request for quotation and sample for testing
	A 008261	A 008261	Cohen, Raines	N/A	<i>Colby unveils space-age Stealth Mac.</i>
	A 008262	A 008262	Farland, Denis P.	1990-02-05	Letter to Ivan Mimica from Farland re integration of Articulate System's speech recognition product into Farland Research's development environment
	A 008263	A 008264	Tawil-Kummerman, Alan	1990-02-12	Letter to Ivan Mimica re marketing activity in Europe
	A 008265	A 008266	Tawil-Kummerman, Alan	1990-02-14	Letter to Alen Koppenaal re: confirmation of common plan of action leading to a Voice Navigator being sold as an option with VeraCard for the Mac.
	A 008267	A 008268	Shigyo, Yoko	1990-03-27	Letter to David A. Fish, Dr. Stavros Cademenos, cc: Ivan Mimica, Dr. Harry Lasker and Mitsuru Hosobe re Voice Navigator proposal.
	A 008269	A 008270	Etoh, Reiko; Hosobe, Mitsuru; Shigyp, Yoko	1990-04-26	Letter to Ivan Mimica cc: Harry Lasker re announcement of M. Hosobe joining Fuji Xerox Japanese Language Business Program and request for completion of a non-disclosure note
	A 008271	A 008272	Hosobe, Mitsuru;	1990-05-09	Letter to Ivan Mimica, Dr. Stavros Cademenos, and Dr. Harry Lasker from Hosobe re Boston MacWorld Exposition and anticipated expenses for development of

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	Applicant Thomas R. Firman		
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Ex. Initials	BATES NO. BEGIN	BATES NO. END	AUTHOR(S)	DOC. DATE	DOCUMENT DESCRIPTION
					demonstration software
	A 008273	A 008273	Igolia, Peg and Rose, David	1989-03-21	Letter to Ivan Miminca cc: Pete Durlach re Report on Voice navigator used with disabled clients
	A 008274	A 008274	Weeler, David R.	1998-10-25	Letter to Ivan Mimica from Weller re performance and reliability of voice navigator in conjunction with products for the handicapped.
	A 008275	A 008275	Olson, William A.	1988-12-22	Letter to Ivan Mimica from Oslaon regarding site testing the voice navigator system
	A 008276	A 008276	Moral, Bernard	1989-11-29	Letter to Ivan Mimica re telephone interface applications
	A 008277	A 008277	Zabalaoui, Keith	N/A	Letter to Ivan Mimica re praise of the Voice Navigator
	A 008278	A 008278	Schmandt, Chris	1989-04-18	Letter to Ivan Mimica re proposal for collaboration of The Media Laboratory at MIT and Articulate Systems.
	A 008279	A 008279	Laping, Arnie	1989-04-14	Letter to Ivan Mimica re request for employment
	A 008280	A 008283	Didlake, Scott	1990-04-16	Letter to Ivan Mimica re summary of personal experience with Voice Navigator
	A 008284	A 008285	Naisbitt, John	1990-03-29	<i>Voice Recognition System Gain in Vocabulary, Potential.</i> John Naisbitt's Trend Letter Vol. 9 No. 7, March 29, 1990.
	A 008286	A 008287	Weller, David	1990-05-18	Letter to Ivan Mimica re demonstration on making or receiving a call on the telephone for paralyzed veterans at the Veteran Hospital, Beacon, NY
	A 008288	A 008288	N/A	N/A	<i>Navigation with Articulate Systems.</i> Upbeat Daily
	A 008289	A 008292	Yavelow, Christopher	N/A	<i>Voice navigation for the Macintosh Musician.</i>
	A 008293	A 008296	N/A	1989, March	<i>Say It, Display It.</i> MacUser March 1989. pp. 106-108.
	A 008297	A 008297	N/A	1990-05-15	Press Release for Voice Navigator. MacWeek, Vol. 4 No. 19, May 15, 1990
	A 008298	A 008298	Worthington, Paul	1990-05-21	<i>Articulate Systems Offers High-Quality Voice Digitizer.</i> Info World, Vol. 12 Issue 21, May 21, 1990, pp. 37
	A 008299	A 008299	Ito, Russell	N/A	<i>When Users Talk, Mac Listens.</i> MacUser
	A 008300	A 008300	Lewis, Peter H.	1989-02-05	<i>A Mac That Hears Its Master's Voice.</i> N.Y. Times, February 5, 1989
	A 008301	A 008301	n/a	1989, February	<i>The Lingo of Learning.</i> MacUser, February 1989
	A 008302	A 008302	Fram, Jonathan	1989-03-06	<i>Industry-Pioneer Little Guys Become Big</i>

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Patent and Trademark OfficeAttorney's Docket No.  
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(Use several sheets if necessary)

(37 CFR §1.98(b))

Applicant  
Thomas R. FirmanFiling Date  
May 9, 2001Group Art Unit  
2641

Ex. Initials	BATES NO. BEGIN	BATES NO. END	AUTHOR(S)	DOC. DATE	DOCUMENT DESCRIPTION
					<i>Guys in the East</i> , PC Week\Business\Finance, March 6, 1989, pp. 71
	A 008303	A 008303	N/A	1989, May	<i>Voice Recognition Integrated into Mac Operations</i> , Computer Shopper, May 1989 pg. 297
	A 008304	A 008304	N/A	1989, April	<i>Uniting the World With Voice Navigator</i> . Marketing Computers, April 1989 pg. 7.
	A 008305	A 008305	N/A	N/A	<i>Driving by Voice</i> . MacWorld Today, MacWorld ExpoAsia 1989-06-30
	A 008306	A 008306	N/A	N/A	News Brief re Voice Navigator
	A 008307	A 008307	N/A	1989, April	<i>A Voice Navigator</i> , BSA Mac Group News, April 1989.
	A 008308	A 008308	Durlach, Peter	1988, November	<i>Voice Recognition Integrated Into Macintosh Operations</i> , Design Graphics World, November 1988, pp. 21
	A 008309	A 008309	N/A	1989, March	<i>Understanding Its Master's Voice</i> , Computers in Banking, March 1989, pp. 28
	A 008310	A 008310	N/A	1989, April	<i>Mouse and Keyboard with Speech</i> , Byte, April 1989.
	A 008311	A 008311	Durlach, Peter	N/A	<i>Talking...</i> , Paug Newsletter, Volument VI No. 8, pp. 5; 7
	A 008312	A 008313	Roth, Larry	N/A	<i>Alternate Input Seen &amp; Heard At the Expo</i> , MACroscope Sept #2.Film, Pg.1-2.
	A 008314	A 008314	N/A	1989, April	<i>Speaking of Macs</i> , CAD/CAM & Robotics. A Kerrwil Publication, April 1989, pp. 54.
	A 008315	A 008315	N/A	1989-06-30	<i>Don't Type It, Say It!</i> , The New Paper, June 30, 1989, pp. 4.
	A 008316	A 008316	n/a	n/a	<i>Les nouvelles technologies dialogue home/machine</i> , Bruno Rives & Associes
	A 008317	A 008320	N/A	N/A	<i>Voice Navigator Mac</i> Japanese article
	A 008321	A 008323	N/A	N/A	<i>VoiceNavigator</i> , MacWorld Expo Asia; Japanese/Chinese article
	A 008324	A 008324	N/A	1990, Mars	<i>Voice Navigator</i> , SGS News, Mars 1990 pg 13
	A 008325	A 008326	N/A	N/A	Japanese article
	A 008327	A 008327	N/A	N/A	<i>VoiceNavigator</i> , MacWorld Expo Asia, Hyyper Lan, July/August 1989 pp 35 ; Japanese/Chinese article
	A 008328	A 008328	N/A	1990, Mars	<i>Voice Navigator</i> , SGS News, Mars 1990 pg 13
	A 008329	A 008330	Ito, Russel	1989	Spanish Article from SVM Macintosh, Juin / Juillet 1989 pp. 112-113
	A 008331	A 008331	Thevenet, Michael	1985	<i>Voice Navigator Ne restez pas sans voix!</i> , Mac Informatique No. 16, October 1985
	A 008332	A 008332	Curcio, Jean-Pierre	n/a	French Article?
	A 008333	A 008334	Courbier, Pierre	N/A	<i>Voice Navigator, Les mots ont enfin la parole...</i>

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	A 008335	A 008336	Castre, Guillaume	n/a	<i>Voice Navigator: le cri qui tue... la souris</i>
	A 008337	A 008337	N/A	1982	<i>Les nouvelles technologies du dialogue home/machine. Les Echos, Juin 1982</i>
	A 008338	A 008338	Dubouis, Claudine	1989	<i>La Voix de some maitre, Lundi, December 18. 1989, Voitre Argent 9</i>
	A 008339	A 008341	Neuhas, R.	N/A	<i>Dies Stimme seines Herrn, Hardwaretest.</i>
	A 008342	A 008343	Martin Christian Hirsch	N/A	<i>Angeklickt, MacWelt, DM 8, -; sfr 8, -- OS 62, --</i>
	A 008344	A 008348	N/A	N/A	<i>Die Stimme seines Herrn, MacUp 3/90.</i>
	A 008349	A 008349	N/A	N/A	N/A
	A 008350	A 008350	N/A	N/A	<i>Dialoguez Aves Votre Macintosh</i>
	A 008351	A 008352	Mondadori Informatica ed.	1989-06-15	<i>Quando il Mac riconosce la voce del padrone, PC Week Italia, No. 22, pp. 19-20</i>
	A 008353	A 008354	N/A	N/A	<i>Voce Navigator: Des Souris et des Voix</i>
	A 008355	A 008358	Von Elisabeth Kroger	1190	<i>Flugt Auf's Wort, Chip, April 1990 Nr. 4, DM 7,50 pp. 138-140</i>
	A 008452	A 008453	Gable, Jim	1994-10-05	Email to Marc Auerbach et al. from Gable re Aptiva speech recognition
	A 008493	A 008493	Hoch, Steve	1994-07-06	Email to Peter Durlach from Hoch re Power Secretary & Apple
	A 008494	A 008495	Hulteen, Eric	1994-09-15	Email to Kai-Fu Lee from Hulteen re PowerSecretary
	A 008498	A 008498	Manser, Steve	1994-05-20	Email to Marc Auerbach from Manser re Kurzweil Applied
	A 008506	A 008507	Manser, Steve	1994-10-14	Email to Marc Auerbach et al from Manser re PlainTalk/PwrSurge Actions
	A 008591	A 008593	Durlach, Peter, PRT	1994-10-06	Email to Kai-Fu Lee from Durlach re Why Sound Input is Import
	A 008623	A 008764	Bristow, Geoff ed.	1986	<i>Electronic Speech Recognition. © 1986. McGraw-Hill Book Company. pp. 172-187; 216-255; 309-387</i>
	A 008766	A 008770	Young, S.J.; Russell, N.H. and Thornton, J.H.S.	1988	"Speech Recognition in Vodis II", ©1988, ICASSP 88: 1988 International Conference of Acoustics, Speech, and Signal Processing. Vol. I: Speech Processing. pp: 441-444
	A 008771	A 008783	Young, Sheryl R. and Ward, Wayne H.	1988-11-19/22	<i>Towards Habitable System: Use of World Knowledge to Dynamically Constrain Speech Recognition. The Second Symposium on Advanced Man-Machine Interface Through Spoken Language. November 19-22, 1988, Makaha, Hawaii. pp. 30-1 - 30-12</i>
	A 008784	A008790	Rudnick, Alexander I.	February 1989	<i>The design of voice-driven interfaces. Carnegie Mellon University. Proceedings: Speech and Natural Language Workshop. February 1989. Advanced Research Project</i>

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					Agency Information Science and Technology Office. pp: 119-124
	A 008791	A 008803	Billon, D. et al	September 1989	<i>Speech Interface for an Experimental Office System.</i> Eurospeech 89: Volume 1. The European Conference on Speech Communication and Technology: Paris – September 1989. pp: 557-580
	A 008804	A 008804	N/A	1995-12-06	Handwritten Note
	A 008809	A 008816	Johannes, R.S. et al	April 1987	<i>Collecting Data After Medical Procedures: Designing Workstation Methods and Creating Incentives.</i> © Speech Tech '87. pp 296-302.
	A 008817	A 008818	Rabin, Richard	1985-01-16	Abstract for Cadcon West Technical Session VIII: "Data Capture, Data Bases and DBMS" <i>Data Capture with Voice Input.</i> Pub. January 1985. pp. VIII-39.
	A 008819	A 008825	Dirr, T. and Riley, D.	1986	<i>A Voice-Augmented Engineering Workstation Prototype Utilizing Tree-Structured Menus.</i> 1986. ASME Int. Computers in Eng. Conf. & Ehiib. Vol. 102 pp. 67-72.
	A 008864	A 008866	N/A	1984	"Microprocessors at Work" © 1984 Elaevier Science Publishers B.V. Vol. 5. Iss. 11. pp. 4-5
	A 008867	A 008981	Monroe, Tom	1996-03-12	Apple Manuel: Chapter 1: Speech Recognition Manager. © Apple Computer, Inc. 3/12/96. DRAFT. Pp. 1-1 – 1-106; GL-1 – GL-4; IN-1 – IN-5
	A 009097	A 009097	Ryan, Tom	1993-11-22	Letter to Ivan Mimica, cc: Duncan Kennedy from Ryan re Marketing of dictation application
	A 009098	A 009098	Mimica, Ivan	1994-12-30	Letter to Steve Schlossareck from Mimica re Master Software Development Agreement #C24-93-00084 (the "Contract")
	A 009099	A 009099	N/A	N/A	Signature Page: signed by Robert A. Lauridsen, Apple Computer, Inc.
	A 009111	A 009112	Spitz, Rick	1993-03-03	Letter to Ivan Mimica from Spitz re agreement with Articulate for the development of speech and telephony products for the Macintosh.
	A 009113	A 009113	Durlach, Peter	1993-06-01	Fax Cover Sheet to Steve Schlossareck from Durlach re brief version of agreement between ASO and VPC
	A 009114	A 009115	N/A	1993-05-11	Executed Letter Agreement to Ivan Mimica from Voice Processing Corporation re terms and conditions of VPC's proposal
	A 009126	A 009126	Durlach, Peter	1993-04-22	Email to Tim Schaaff from Durlach re ASI/Apple Project. . .

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	A 009137	A 009138	Rada, John F.	1995-04-26	Fax letter to Michael Spinder, Apple Computer Inc., cc: Ivan Mimica re request to meet with Ivan Mimica regarding voice recognition applications with attached article.
	A 009139	A 009139	Crabb, Don	N/A	<i>The latest in telephone: You'll be calling Wildfire</i>
	A 009140	A 009140	Rada, John F.	1995-04-27	Fax letter to Michael Spinder, Apple Computer Inc., cc: Ivan Mimica: Correction to letter dated 1995-04-26
	A 009141	A 009143	Hon-Anderson, Eric	1995-09-05	Email to Dick Toepfer re article "What We Patch and Why"
	A 009147	A 009147	Elphick, Michael	1995-03-09	Fax to Michael Spindler from Elphick re Apple Voice Recognition System
	A 009152	A 009152	Schaaff, Tim	1993-07-14	Email to Peter Durlach from Schaaff re Tempest unit on the way!
	A 009185	A 009185	Durlach, Peter	1993-04-05	Email to Tim Schaaff from Durlach re Office Memo: What's in it for Apply EU
	A 009192	A 009193	N/A	1992	"The Macintosh Telephone Architecture & WorldPort: Putting the World at Your Fingertips" © 1992 Apple Computer, Inc.
	A 009194	A 009202	Durlach, Peter	N/A	Memorandum to Vito Salvahhio, Andy Soderberg cc: Michael Bayer re Articulate Systems <i>Personal Secretary</i> Features & Requirements
	A 009203	A 009242	McElhoe, Glenn	1991-10-07	"Specification for low-level recorder/playback extension". © Articulate Systems, Inc. 1991. pp 4-40
	A 009243	A 009279	McElhoe, Glenn; Anderson, Eric and Schwarz, Daniel	1992-10-26	"Functional Specification for Voice Control 3.0". © 1991 Articulate Systems
	A 009280	A 009294	N/A	1992-10-26	Voice Control Library XFCNs: Overview of voice control and references to the C library calls
	A 009295	A 009296	N/A	1992-10-26	Voice Control Library Developer Reference: Overview of Micro Commands
	A 009297	A 009300	N/A	N/A	Overview of Synchronize Commands
	A 009301	A 009301	N/A	N/A	VCUnloadSynchResource
	A 009302	A 009312	N/A	1992-10-26	Voice Control Library Developer Reference: Overview of Synchronize Commands
	A 009313	A 009322	N/A	N/A	Voice Control Library Developer Reference: Overview of Language Commands
	A 009327	A 009327	Morgan, Dana	1988-12-02	Letter to Mike Dilts from Morgan re Pro-Production Offer; VoiceNavigator™200/1000 "Overview" and Articulate Systems, Inc. Corporate Background

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	A 009328	A 009328	Articulate Systems, Inc.	1988-12-02	Letter to Mike Dilts re Offer of pre-production Voice Navigator™ systems
	A 009329	A 009331	Articulate Systems, Inc.	n/a	Voice Navigator™ 200/1000 Overview; Specifications
	A 009333	A 009333	Articulate Systems, Inc.	n/a	Corporation Background
	A 009337	A 009347	Brennan, Susan E., and Hulteen, Eric A.	April-June 1993	<i>Interaction and feedback in a spoken language system: a theoretical framework</i> . Vol. 8 No. 2-3 Knowledge-Based Systems. April-June 1995. pp 143-151
	A 009858	A 009927	Spoken Language Systems Group	June 1991	<i>Summary of Research in Spoken Language</i> , June 1991 Massachusetts Institute of Technology
	A 010148	A 010148	Karl, Lewis; Pettey, Michael; Shniderman, Ben	July 1992	"Speech-activated versus mouse-activated commands for work processing applications: an empirical evaluation". July 1992. Human-Computer Interaction Laboratory & Department of Computer Sciences. University of Maryland.
	A 010149	A 010181	N/A	N/A	Brochure unknown re automatic speech recognition
	A 010192	A 010212	N/A	N/A	Speech Technologies Studio Questionnaire: Totals; Completed Questionnaire
	A 010464	A 010471	Lee, Kai-Fu	N/A	<i>The Conversational Computer: An Apple Perspective</i> . Advanced Technology Group. Apple Computer, Inc.
	A 010472	A 010507	Cohen, Philip R. and Oviatt, Sharon L.	1993-07-29	<i>The Role of Voice in Human-Machine Communication</i> . Computer Dialogue Laboratory. Artificial Intelligence Center. SRI International. DRAFT
	A 010508	A 010564	Klatt, Dennis H.	1986-05-05	<i>Review of test-to-speech conversion for English</i> . J. Acoust. Soc. Am. 82(3), September 1987 © 1987 Acoustical Society of America. pp. 737 - 793
	A 010565	A 010592	Lee, Kai-Fu	N/A	<i>Speech Recognition</i> . Advanced Technology Group. Apple Computer, Inc.
	A 010593	A 010600	Peacocke, Richard D. and Graf, Daryl H.	August 1990	<i>An Introduction to Speech and Speaker Recognition</i> . @1990 IEE. Computer. pp. 26 - 33
	A 010601	A 010607	O'Malley, Michael H.	August 1990	<i>Text-To-Speech Conversion Technology</i> . @1990 IEE. Computer. pp. 17-23
	A 010608	A 010626	Schmandt, Christopher	1992-02-19	<i>From Desktop Audio to Mobile Access: Opportunities for Voice in Computing</i> . Media Laboratory. Massachusetts Institute of Technology

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	A 010627	A 010653	Liberman, Mark Y. and Church, Kenneth W.	N/A	<i>Text Analysis and Word Pronunciation in Text-to-speech Synthesis.</i> AT&T Bell Laboratories
	A 010654	A 010673	Collier, R., Van Leeuwen, H.C. and Willems, L.F.	1992	<i>Speech Synthesis Today and Tomorrow.</i> Phillips J. Res. 47 (1992) 15-34.
	A 010712	A 010715	N/A	February 1994	Compatibility Guidelines
	A 010757	A 010757	Karem, Samuel	1994-06-23	<i>Dual microphones separate voice from noise.</i> EDN. pp. 82
	A 010758	A 010758	Skoch. Daniel A.	1994-11-21	<i>Ask for commitment, not loyalty: Companies must line their needs with those of employees.</i> Industry Week. pp 38
	A 010759	A 010760	Bunker, Ted	N/A	<i>Voice Recognition Systems Speak to the Need of Today's Service Businesses.</i> Investor's Business Daily.
	A 010761	A 010761	Elmer-Dewitt, Philip	1992-10-08	<i>The Machines Are Listening: Computers still can't take dictation, but they may already understand speech well enough to take your job.</i> Time. August 10, 1992. pp 45
	A 010762	A 010762	Ratcliffe, Mich and Gore, Andrew	1992-03-02	<i>Intelligent agents take U.S. bows.</i> MacWeek Vol. 6 No. 9. pp. 1 & 96.
	A 010763	A 010763	Gore, Andrew	1992-02-03	<i>Pen, voice will shape interface</i> MacWeek Vol. 6 No.6. pp. 1 & 98
	A 010764	A 010764	Crabb, Don	1992-09-14	<i>MacManagers' top 10 list reveals great expectations.</i> MacWeek Vol. 6 No.32
	A 010765	A 010766	Ripkin, Glenn	1991-08-14	<i>Computers that Hear and Response.</i> N.Y. Times, August 14, 1991, at C1
	A 010767	A 010771	Das, Subrata and Nadas, Arthur	April 1992	<i>The Power of Speech.</i> Byte, April 1992. A McGraw-Hill Publication. pp. 151, 152, 154, 156, 158.
	A 010772	A 010773	O'Connor, Rory J.	1992-03-22	<i>Its Master's Voice,</i> San Jose Mercury News, March 22, 1992
	A 010774	A 010774	Deagon, Brian	N/A	<i>New Tools Emerge To Assist Disabled In Workplace: As Technologies Find Uses In Other Areas, Costs are Expected to Decline.</i>
	A 010775	A 010775	N/A	1993-01-29	<i>Breaking the language barrier: Computers used to translate telephone call,</i> San Jose Mercury News, January 29, 1993 at 1F.
	A 010776	A 010777	Doler, Kathleen	N/A	<i>Voice-Activated Dialing Provides Hands-Free Cellular Phone Operation</i>
	A 010778	A 010780	Hutheesing, Nikhil	1994-09-26	<i>Outwitting the human ear,</i> Forbes, September 26, 1994. pp. 164-166.
	A 010781	A 010782	Bulkeley, William	1994-06-06	<i>Speech Recognition Gets Cheaper and Smarter.</i> The Wall Street Journal, June 6,

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Patent and Trademark OfficeAttorney's Docket No.  
10591-003009Application No.  
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Applicant  
Thomas R. FirmanFiling Date  
May 9, 2001Group Art Unit  
2641

Ex. Initials	BATES NO. BEGIN	BATES NO. END	AUTHOR(S)	DOC. DATE	DOCUMENT DESCRIPTION
					1991 at B1.
	A 010783	A 010788	Fulton, John	N/A	Question and Answers on Dictation Software for English Speakers
	A 010789	A 010789	Zachary, G. Pascal	N/A	<i>Apple Unveils Breakthrough In Technology: Macintosh Model Responds To Spoken Commands Using Plain Language.</i>
	A 010790	A 010790	McNair, James	1994-01-17	<i>Slowly, computers learn to take dictation, Miami Herald, January 17, 1994.</i>
	A 010791	A 010791	Negroponte, Nicholas	1994-02-01	Email to <a href="mailto:IR@wired.com">IR@wired.com</a> from Negroponte re Taking With Computers attached article <i>Talking With Computers</i> , Wired, March 1994 at 144.
	A 010792	A 010798	Lee, Kai-Fu, Hauptmann, Alexander G., and Rudnick, Alexander I.	July 1990	<i>The Spoken Word: Replace the "look and feel" of GUIs with the "ask and tell" of voice interfaces</i> , Byte, July 1990, pp. 225, 226, 228-232
	A 010799	A 010807	Banet, Bernard	1994-03-07	<i>Speech to Text: Dictation Systems From IBM, Dragon Systems, The Seybold Report on Desktop Publishing</i> , Vol. 8, No. 7, March 7, 1994, pp. 3-11
	A 010808	A 010843	Cohen, Philip R. and Oviatt, Sharon L.	July 1993	<i>The Role of Voice in Human-Machine Communication</i> . Computer Dialogue Laboratory Artificial Intelligence Center; SRI International, July 29, 1993.
	A 010844	A 010850	Lee, Kai-Fu	N/A	<i>The Conversational Computer: An Apple Perspective</i> , Advanced Technology Group, Apple Computer Inc.
	A 010852	A 010879	Lee, Kai-Fu	N/A	<i>Speech Recognition</i> , Advanced Technology Group, Apple Computer Inc.
	A 010880	A 010887	Peacocke, Richard D. and Graf, Daryl H.	August 1990	<i>An Introduction to Speech and Speaker Recognition</i> , ©1990 IEEE, Computer, August 1990, pp. 26-33.
	A 010888	A 010894	O'Malley, Michael H.	August 1990	<i>Text-To-Speech Conversion Technology</i> . ©1990 IEEE, Computer, August 1990, pp. 17-23
	A 0010895	A 010913	Schmandt, Christopher	1992-02-19	<i>From Desktop Audio to Mobile Access: Opportunities for Voice In Computing</i> , Media Laboratory, Massachusetts Institute of Technology.
	A 010914	A 010970	Klatt, Dennis H.	1986-05-05	<i>Review of text-to-speech conversion for English</i> , J. Acoust. Soc. Am. 82 (3), September 1987, pp. 737-793
	A 010971	A 010997	Liberman, Mark Y.	N/A	<i>Text Analysis and Word Pronunciation in Text-to-speech Synthesis</i> , AT&T Bell

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<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)		Applicant Thomas R. Firman	
		Filing Date May 9, 2001	Group Art Unit 2641

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					Laboratories.
	A 010998	A 011017	Collier, R., Van Leeuwen, H.C. and Willems, L.F.	1992	<i>Speech Synthesis Today and Tomorrow.</i> Phillips J. Res. 47 (1992) 15-34.
	A 011101	A 011102	Bunker, Ted	N/A	<i>Voice Recognition Systems Speak to the Need of Today's Service Businesses.</i> Investor's Business Daily.
	A 011103	A 011103	Elmer-Dewitt, Philip	1992-10-08	<i>The Machines Are Listening: Computers still can't take dictation, but they may already understand speech well enough to take your job.</i> Time. August 10, 1992. pp 45
	A 011104	A 011104	Ratcliffe, Mich and Gore, Andrew	1992-03-02	<i>Intelligent agents take U.S. bows.</i> MacWeek Vol. 6 No. 9. pp. 1 & 96.
	A 011105	A 011105	Gore, Andrew	1992-02-03	<i>Pen, voice will shape interface</i> MacWeek Vol. 6 No.6. pp. 1 & 98
	A 011106	A 011106	Crabb, Don	1992-09-14	<i>MacManagers' top 10 list reveals great expectations.</i> MacWeek Vol. 6 No.32
	A 011107	A 011108	Ripkin, Glenn	1991-08-14	<i>Computers that Hear and Response.</i> N.Y. Times, August 14, 1991, at C1
	A 011109	A 011114	Das, Subrata and Nadas, Arthur	April 1992	<i>The Power of Speech.</i> Byte, April 1992. A McGraw-Hill Publication. pp. 151, 152, 154, 156, 158.
	A 011115	A 011116	O'Connor, Rory J.	1992-03-22	<i>Its Master's Voice,</i> San Jose Mercury News, March 22, 1992
	A 011117	A 011117	Deagon, Brian	N/A	<i>New Tools Emerge To Assist Disabled In Workplace: As Technologies Find Uses In Other Areas, Costs are Expected to Decline.</i>
	A 011118	A 011118	N/A	1993-01-29	<i>Breaking the language barrier: Computers used to translate telephone call,</i> San Jose Mercury News, January 29, 1993 at 1F.
	A 011119	A 011119	Doler, Kathleen	N/A	<i>Voice-Activated Dialing Provides Hands-Free Cellular Phone Operation</i>
	A 011120	A 011122	Hutheesing, Nikhil	1994-09-26	<i>Outwitting the human ear,</i> Forbes, September 26, 1994. pp. 164-166.
	A 011123	A 011124	Bulkeley, William	1994-06-06	<i>Speech Recognition Gets Cheaper and Smarter.</i> The Wall Street Journal, June 6, 1991 at B1.
	A 011125	A 011130	Fulton, John	N/A	Question and Answers on Dictation Software for English Speakers
	A 011131	A 011131	Zachary, G. Pascal	N/A	<i>Apple Unveils Breakthrough In Technology: Macintosh Model Responds To Spoken Commands Using Plain Language.</i>
	A 011132	A 011132	McNair, James	1994-01-17	<i>Slowly, computers learn to take dictation,</i> Miami Herald, January 17, 1994.
	A 011133	A 011133	Negroponte,	1994-02-01	Email to <a href="mailto:IR@wired.com">IR@wired.com</a> from Negroponte re

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			Nicholas		Taking With Computers attached article <i>Talking With Computers</i> , Wired, March 1994 at 144.
	A 011134	A 011140	Lee, Kai-Fu, Hauptmann, Alexander G., and Rudnick, Alexander I.	July 1990	<i>The Spoken Word: Replace the "look and feel" of GUIs with the "ask and tell" of voice interfaces</i> , Byte, July 1990, pp. 225, 226, 228- 232
	A 011141	A 011149	Banet, Bernard	1994-03-07	<i>Speech to Text: Dictation Systems From IBM, Dragon Systems</i> , The Seybold Report on Desktop Publishing, Vol. 8, No. 7, March 7, 1994. pp. 3-11
	A 011305	A 011317	Meisel, William S.	1992	<i>Trends in Speech Recognition '92: A Technology and Market Analysis</i> , ©William S. Meisel 1992, Published by TMA Associates. pp. 159-167; 191-199; 234-235.
	A 011318	A 011320	N/A	N/A	<i>Portable Speech Recognition System: New offering expand options, particularly in manufacturing and inventory control</i> , Speech Recognition Update, pp. 12-14
	A 011499	A 011499	Zachary, Pascal	1992-02-00	"Apple Unveils Breakthrough in Technology". Wall Street Journal. February 1992.
	A 011500	A 011506	Schwartz, John	1992-04-06	"The Next Revolution". Newsweek. April 6, 1992. pp. 43-48
	A 011507	A 011507	Myers, Laura	1992-02-25	"Talk to your Apple; it understands". San Francisco Examiner. Feb 25, 1992.
	A 011508	A 011508	N/A	1992-02-25	"Apple's Voice-activated prototype recognizes commands, talks back". Atlanta Journal. Feb 25, 1992.
	A 011509	A 011510	N/A	1992-06-23	"Wreck a Nice Beach Lately?". 5 Star News- Apple Employee Magazine. June 23, 1992.
	A 011511	A 011511	Elmer-Dewitt, Philip	1992-08-10	"The Machines Are Listening". Time. P. 45
	A 011512	A 011513	N/A	1992-05-00	"Smarter Macs". Popular Science. May 1992 pp36-37
	A 011514	A 011516	Levy, Steven	1992-09-00	"Talkin' Macintosh Blues. MacWorld. September 1992. pp 75-76, 78.
	A 011518	A 011519	Rifkin, Glenn	1992-08-14	"Computers that Hear and Respond". The New York Times. August 14, 1991.
	A 011522	A 011522	N/A	N/A	"Business Notes". Five-Star News-Apple Employee Magazine.
	A 011524	A 011524	O'Connor, Rory	1992-02-25	"Apple makes gain in voice recognition". San Jose News. February 25, 1992. pp. 4E & 5E
	A 011525	A 011525	N/A	1992-03-02	"The Price of Portable Power". MacWeek. Volume 6 Number 9.
	A 011526	A 011527	Hollis, Robert	1992	"Pen Systems: Will Users Sign Up?"

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					MacWeek. Volume 6 Number 11. pp 32 & 34
	A 011528	A 011529	O'Connor, Rory	1992-03-22	"Its Master's Voice". San Jose Mercury News.
	A 011530	A 011530	Gomes, Lee	1992-04-02	"A fool and his dignity are soon parted". San Jose Mercury News. April 2, 1992. Pp 1C and 8C.
	A 011531	A 011537	Schwartz, John	1992-04-06	"The Next Revolution". Newsweek. April 6, 1992. pp.43-48.
	A 011538	A 011538	Myers, Laura	1992-02-25	"Computer responds to voice commands, and even talks backs". Orange county Register. February 25, 1992.
	A 011539	A 011539	Myers, Laura	1992-02-25	"Talk to your Apple; it talks back". San Francisco Examiner. February 25, 1992.
	A 011540	A 011540	N/A	1992-02-25	"Apple's voice-activated prototype recognizes commands, talks back". Atlanta journal
	A 011541	A 011541	N/A	1992-02-25	"New voice-activated Macintosh is a HAL of a product, Apple says". Philadelphia Daily News. P. 20
	A 011542	A 011542	Blinch, Russell	1992-02-26	"The Macintosh gets ears". The Globe and Mail Toronto, Canada. February 26, 1992.
	A 011543	A 011543	Weber, Jonathan	1992-03-05	"Computerspeak Isn't Lingo Anymore". Los Angeles Times. March 5, 1992
	A 011544	A 011544	Ricci, James	1992-03-14	"Perfect computer, for crying out loud". San Jose Mercury News. March 14, 1992.
	A 011545	A 011545	Norr, Henry	1992-05-11	"Speech tools to get the Mac talking again". MacWeek. Volume 6 Number 19. 1992-05-11
	A 011546	A 011547	N/A	1992-06-23	"Wreck a Nice Beach Lately?" Five Star News. June 23, 1992.
	A 011548	A 011549	N/A	1992-05-00	"Smarter Macs". Popular Science. May 1992 pp36-37
	A 011550	A 011553	Levy, Steven	1992-09-00	"Talkin' Macintosh Blues. MacWorld. September 1992. pp 75-76, 78.
	A 011554	A 011554	Lee, Kai-Fu	N/A	German Article from German Fortune Magazine
	A 011555	A 011556	Rifkin, Glenn	1992-08-14	"Computers that Hear and Respond". The New York Times. August 14, 1991.
	A 011557	A 011557	Gore, Andrew	1992-02-03	"Pen, voice will shape interface". MacWorld. Volume 6 Number 5.
	A 011558	A 011558	Zachary, Pascal	N/A	"Apple Unveils Breakthrough in Technology".
	A 011559	A 011559	O'Connor, Rory	1992-02-25	"Apple makes gain in voice recognition". San Jose News. February 25, 1992. pp. 4E & 5E
	A 011560	A 011560	N/A	N/A	"Business Notes". Five-Star News-Apple Employee Magazine.
	A 011561	A 011561	Ratcliffe, Mitch et al	1992-03-02	"Intelligent agents takes US bows". MacWeek. Volume 6 Number 9. pg 1 & 96

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		Applicant Thomas R. Firman	
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	A 011562	A 011562	N/A	1992-03-02	"The Price of Portable Power". MacWeek. Volume 6 Number 9. March 2, 1992
	A 011563	A 011564	Hollis, Roberts	1992	"Pen systems: will users sign up?". MacWeek. Volume 6 Number 11.
	A 011565	A 011565	O'Connor, Rory	1992-03-22	"Its Master's Voice". San Jose Mercury News.
	A 011566	A 011566	N/A	N/A	"For now more advanced systems are found only in the lab, not on the store shelf".
	A 011567	A 011567	Gomes, Lee	1992-04-02	"A fool and his dignity are soon parted". San Jose Mercury News. April 2, 1992. Pp 1C and 8C.
	A 011568	A 011574	Schwartz, John	1992-04-06	"The Next Revolution". Newsweek. April 6, 1992. pp.43-48.
	A 011575	A 011575	Myers, Laura	1992-02-25	"Computer responds to voice commands, and even talks back". Orange County Register. February 25, 1992
	A 011576	A 011576	Myers, Laura	1992-02-25	"Talk to your Apple; it understands". San Francisco Examiner. February 25, 1992.
	A 011577	A 011577	N/A	1992-02-25	"Apple's voice-activated prototype recognizes commands, talks back". Atlanta Journal. February 25, 1992.
	A 011578	A 011578	N/A	1992-02-25	"New voice-activated Macintosh is a HAL of a product, Apple says". Philadelphia Daily News.
	A 011579	A 011579	Blinch, Russell	1992-02-26	"The Macintosh gets ears". The Globe and Mail Toronto Canada.
	A 011580	A 011580	Weber, Jonathan	1992-03-05	"Computerspeak Isn't Lingo Anymore". Los Angeles Times.
	A 011581	A 011581	Ricci, James	1992-03-14	"Perfect computer, for crying out loud". San Jose Mercury News.
	A 011582	A 011582	Norr, Henry	1992-05-11	"Speech tools to get the Mac talking again". MacWeek. Volume 6 Number 19.
	A 011585	A 011585	Elmer-Dewitt	1992-08-10	"The Machines Are Listening". Time. August 10, 1992. p. 45
	A 011588	A 011588	Skerrett, PJ	1992-05-00	"Whimsical Software Wins a Prize for Humanness". Popular Science. May 1992. p 37
	A 011594	A 011599	Schaffer, Dick	1992-08-00	Interview with Dick Schaffer August 1992. Upside. Pp 55-61
	A 011600	A 011600	N/A	1992-05-00	"Smarter Macs". Popular Science. May 1992 pp36-37
	A 011601	A 011616	N/A	N/A	PlainTalk Manual. © 1995 Apple Computer
	A 011652	A 011655	Silverman, Kim	1995-11-07	Email to Cheryl Hallberg from Silverman re Loads to Do!
	A 011656	A 011656	N/A	1995-08-08	Reality Bytes Software Release

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	A 011657	A 011657	N/A	N/A	Imergy Release
	A 011658	A 011658	N/A	N/A	Papyrus Release, "Papyrus™ to support speech recognition for the Macintosh computer".
	A 011659	A 011665	N/A	N/A	Mail Box Contributor Form Instructions
	A 012076	A 012076	Lee, Kai-Fu	1992-04-21	Email to Kevin McCoy et al from Lee re Speech Meeting
	A 012077	A 012077	McCoy, Kevin	1992-04-22	Email to Eric Hulteen from McCoy re Speech Meeting
	A 012081	A 012081	Palmer, Jim	1992-05-11	Email to Eric Hulteen from Palmer re Casper...
	A 012082	A 012082	Hulteen, Eric	1992-05-14	Email to Jim Palmer from Hulteen re Casper Reading
	A 012087	A 012087	McCoy, Kevin	1992-04-21	Email to Eric Hulteen from McCoy re Speech Meeting
	A 012088	A 012088	Sazegari, Sara	1992-04-21	Email to Eric Hulteen et al from Sazegari re Speech Apps. Mtf Confirmed
	A 012092	A 012092	Gomoll, Thomas	1992-04-16	Email to Eric Hulteen from Gomoll re HIG/ATG Speech Apps. Reviews
	A 012093	A 012093	Hulteen, Eric	1992-04-16	Email to Brian Loucks from Hulteen re HIG/ATG Speech Apps. Review
	A 012097	A 012097	Sazegari, Sara	1992-03-19	Email to Phac LeTuan from Sazegari re Speech Meeting 3/30
	A 012098	A 012098	Sazegari, Sara	1992-03-19	Email to Phac LeTuan from Sazegari re Speech Meeting 3/30
	A 012099	A 012099	Sazegari, Sara	1992-03-24	Email to Phac LeTuan from Sazegari re Pre-HI/Speech Meeting
	A 012100	A 012100	Hulteen, Eric	1992-03-23	Email to Sazegari from Hulteen re Speech Apps. Demo Meeting Rqst
	A 012104	A 012104	Sazegari, Sata	1992-03-24	Email to Phac LeTuan from Sazegari re Speech. Interface Meeting 3/30
	A 012105	A 012105	Gomoll, Thomas	1992-03-30	Email to Eric Hulteen from Gomoll re Speech User Interface Meet
	A 012123	A 012123	Hulteen, Eric	1992-09-04	Email to Ron Dumont from Julteen re HI meeting Fri 9/4
	A 012124	A 012124	N/A	1992-08-11	Email to Jim Palmer et al from Gateway to Internet/BITNET/UUCP
	A 012130	A 012131	Parfitt, Rick	1992-11-02	Email to Eric Hulteen from Parfitt re Speech Recognition Cy M
	A 012134	A 012134	Parfitt, Rick	1992-08-31	Email to Ron Dumont from Parfitt re TTS UI meeting notes
	A 012135	A 012135	Lockett, Deborah	1992-06-02	Email to Eric Hulteen from Lockett re Cyclone HI
	A 012219	A 012219	Lee, Kai-Fu	1992-06-02	Email to Eric Hulteen from Lee re Developers of Speech Apps

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	A 012505	A 012506	N/A	1991-10-07	HIG Video Collection List
	A 012559	A 012565	Hulteen, Eric	1991-09-00	"User-Centered Design and Voice-Interactive Applications". Proceedings-Avioid '91. Voice I/O Systems Applications Conference. September 24-26, 1991. pp. 3-7
	A 012566	A 012570	Hulteen, Eric	1990-09-00	"Integrating Speech Into The User Interface". Proceedings-Avioid '91. Voice I/O Systems Applications Conference. September 24-26, 1991. pp. 41-45.
	A 012571	A 012572	N/A	1990-09-09	Index. Proceedings-Avioid '91. Voice I/O Systems Applications Conference. September 24-26, 1991.
	A 012800	A 012803	Parks, TW et al	1992	"Classification of Whale and Ice Sounds With Cochlear Model". Reproduced. ©1992 IEEE. Pp.II-481-II-484
	A 012804	A 012807	Fanty, Mark et al	1991	"A Comparison of DFT, PLP and Cochleagram for Alphabet Recognition". Reproduced. ©1991 IEEE. Pp. 326-329.
	A 012808	A 012811	Muthusamy, Yashwant. Et al.	1990	"Speaker-Independent Vowel Recognition: Soectograms Versus Cochleagrams". Reproduced. ©1990 IEEE. Pp. 533-536
	A 012812	A 012827	Yang, Xiaowei et al	1992	"Auditory Representations of Acoustic Signals". ©1992 IEEE. Pp. 824-839.
	A 012828	A 012834	Lyon, Richard.	1991	"CCD Correlators for Auditory Models". ©1991 IEEE. pp. 785-789
	A 012835	A 012838	Summerfield, Clive. Et al	N/A	"ASIC Implementation of the Lyon Cochlea Model".
	A 012839	A 012842	Roucos, Salim et al	1985	"High Quality Time-Scales Modifications for Speech". ©1985 IEEE. Pp.13.6.1-13.6.4
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	A 015356	A 015356	N/A	N/A	CASPER file folder
	A 015357	A 015360	Strong, Robert	N/A	"Casper: A Speech Interface for the Macintosh".
	A 015361	A 015361	N/A	N/A	Sample Casper Commands

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Substitute Form PTO-1449 (Modified)  <b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10591-003009	Application No. 09/852,049
	Applicant Thomas R. Firman		
	Filing Date May 9, 2001	Group Art Unit 2641	

Ex. Initials	BATES NO. BEGIN	BATES NO. END	AUTHOR(S)	DOC. DATE	DOCUMENT DESCRIPTION
	A 015362	A 015362	N/A	N/A	Casper Commands Example

Other Documents (include Author, Title, Date, and Place of Publication)		
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	AF	Articulate Systems Inc. v. Apple Computer, Inc., "Defendant Apple Computer, Inc.'s Objections and Answers to Articulate Systems, Inc.'s First Set of Interrogatories, July 8, 1996.
	AG	Articulate Systems Inc. v. Apple Computer, Inc., "Defendant Apple Computer, Inc.'s First Supplemental Objections and Answers to Articulate Systems, Inc.'s First Set of Interrogatories", Nov. 27, 1996.
	AH	Articulate Systems Inc. v. Apple Computer, Inc., "Complaint and Jury Demand", Feb. 2, 1996.
	AI	Articulate Systems Inc. v. Apple Computer, Inc., "Answer and Counterclaim of Defendant to Complaint for Patent Infringement", April 18, 1996.
	AJ	Articulate Systems Inc. v. Apple Computer, Inc., "Plaintiff Articulate Systems' Reply to Defendant Apple's Counterclaim", April 25, 1996.
	AK	Articulate Systems Inc. v. Apple Computer, Inc., "Plaintiff Articulate Systems, Inc.'s Responses and Objections to Defendant Apple Computer, Inc.'s First Set of Interrogatories", July 22, 1996.
	AL	Articulate Systems, Inc. v Apple Computer, Inc., "Defendant Apple Computer, Inc.'s Motion For Summary Judgment That Plaintiff Articulate Systems Inc.'s Patent Is Invalid Under 35 U.S.C. § 102(b), February 5, 1997.
	AM	Articulate Systems, Inc. v Apple Computer, Inc., Exhibit B "Plaintiff Articulate Systems, Inc.'s Responses and Objections to Defendant Apple Computer, Inc.'s First Set of Interrogatories" to "Defendant Apple Computer, Inc.'s Motion For Summary Judgment That Plaintiff Articulate Systems Inc.'s Patent Is Invalid Under 35 U.S.C. § 102(b), February 5, 1997.
	AN	Articulate Systems, Inc. v Apple Computer, Inc., Exhibit C "TM file history for VOICE NAVIGATOR (stylized)" to "Defendant Apple Computer, Inc.'s Motion For Summary Judgment That Plaintiff Articulate Systems Inc.'s Patent Is Invalid Under 35 U.S.C. § 102(b), February 5, 1997.
	AO	Articulate Systems, Inc. v Apple Computer, Inc., Exhibit D "Rimpexchile letter to Ivan Mimica, May 4, 1988" to "Defendant Apple Computer, Inc.'s Motion For Summary Judgment That Plaintiff Articulate Systems Inc.'s Patent Is Invalid Under 35 U.S.C. § 102(b), February 5, 1997.
	AP	Articulate Systems, Inc. v Apple Computer, Inc., Exhibit E "Computer Learning Systems, Inc., Puffer letter to Ivan Mimica, March 29, 1988" to "Defendant Apple Computer, Inc.'s Motion For Summary Judgment That Plaintiff Articulate Systems Inc.'s Patent Is Invalid Under 35 U.S.C. § 102(b), February 5, 1997.
	AQ	Articulate Systems, Inc. v Apple Computer, Inc., Exhibit F "Deposition transcript of Barbara Gallinaro", to "Defendant Apple Computer, Inc.'s Motion For Summary Judgment That Plaintiff Articulate Systems Inc.'s Patent Is Invalid Under 35 U.S.C. § 102(b), February 5, 1997.
	AR	Articulate Systems, Inc. v Apple Computer, Inc., Exhibit G "Articulate Systems Inc., Business Plan, as of January 10, 1989" to "Defendant Apple Computer, Inc.'s Motion For Summary Judgment That Plaintiff Articulate Systems Inc.'s Patent Is Invalid Under 35 U.S.C. § 102(b), February 5, 1997.
	AS	Articulate Systems, Inc. v Apple Computer, Inc., Exhibit H "ClinMan Inc, German letter to Ivan Mimica, dated April 22, 1988" to "Defendant Apple Computer, Inc.'s Motion For Summary Judgment That Plaintiff Articulate Systems Inc.'s Patent Is Invalid Under 35 U.S.C. § 102(b), February 5, 1997.

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	Applicant Thomas R. Firman		
	Filing Date May 9, 2001	Group Art Unit 2641	

Other Documents (include Author, Title, Date, and Place of Publication)		
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	AT	Articulate Systems, Inc. v Apple Computer, Inc., Exhibit I "Lockheed Engineering, Shepherd letter to Tom Firman, dated April 25, 1988" to "Defendant Apple Computer, Inc.'s Motion For Summary Judgment That Plaintiff Articulate Systems Inc.'s Patent Is Invalid Under 35 U.S.C. § 102(b), February 5, 1997.
	AU	Articulate Systems, Inc. v Apple Computer, Inc., Exhibit J "Maya Brochure" to "Defendant Apple Computer, Inc.'s Motion For Summary Judgment That Plaintiff Articulate Systems Inc.'s Patent Is Invalid Under 35 U.S.C. § 102(b), February 5, 1997.
	AV	Articulate Systems, Inc. v Apple Computer, Inc., Exhibit K "Supplemental Information Disclosure Statement, filed December 9, 1993" to "Defendant Apple Computer, Inc.'s Motion For Summary Judgment That Plaintiff Articulate Systems Inc.'s Patent Is Invalid Under 35 U.S.C. § 102(b), February 5, 1997.
	AW	Articulate Systems, Inc. v Apple Computer, Inc., Exhibit L "NASA, 'A Speech Recognition Interface for the Advanced Extravehicular Mobility Unit'" to "Defendant Apple Computer, Inc.'s Motion For Summary Judgment That Plaintiff Articulate Systems Inc.'s Patent Is Invalid Under 35 U.S.C. § 102(b), February 5, 1997.
	AX	Articulate Systems, Inc. v Apple Computer, Inc., Exhibit 2 "TMEP excerpted pages" to "Defendant Apple Computer, Inc.'s Motion For Summary Judgment That Plaintiff Articulate Systems Inc.'s Patent Is Invalid Under 35 U.S.C. § 102(b), February 5, 1997.
	AY	Skenyon, letter to Patricia Coppola dated April 4, 1997, re blowups re offers for sale.
	AZ	Hebert, letter to Patricia Coppola dated April 17, 1998, enclosing copies of charts used by Articulate during hearing of April 16, 1998.
	AAA	Articulate Systems Inc. v. Apple Computer, Inc., "Defendant Apple Computer, Inc.'s Motion For Summary Judgment That Articulate's Patent Is Invalid For Indefiniteness", Sept. 12, 1997.
	ABB	Articulate Systems Inc. v. Apple Computer, Inc., Exhibit B, "Deposition of Thomas Firman" to "Defendant Apple Computer, Inc.'s Motion For Summary Judgment That Articulate's Patent Is Invalid For Indefiniteness", Sept. 12, 1997.
	ACC	Articulate Systems Inc. v. Apple Computer, Inc., Exhibit C, "Deposition of David Feigenbaum" to "Defendant Apple Computer, Inc.'s Motion For Summary Judgment That Articulate's Patent Is Invalid For Indefiniteness", Sept. 12, 1997.
	ADD	Articulate Systems Inc. v. Apple Computer, Inc., Exhibit D, "Firman, U.S. Patent Application, Voice Controlled Computer Interface" to "Defendant Apple Computer, Inc.'s Motion For Summary Judgment That Articulate's Patent Is Invalid For Indefiniteness", Sept. 12, 1997.
	AEE	Articulate Systems Inc. v. Apple Computer, Inc., Exhibit E, "Deposition of Timothy John Crawford Morgan" to "Defendant Apple Computer, Inc.'s Motion For Summary Judgment That Articulate's Patent Is Invalid For Indefiniteness", Sept. 12, 1997.
	AFF	Articulate Systems Inc. v. Apple Computer, Inc., Exhibit F, "Examiner's Office Action dated July 14, 1992" to "Defendant Apple Computer, Inc.'s Motion For Summary Judgment That Articulate's Patent Is Invalid For Indefiniteness", Sept. 12, 1997.
	AGG	Articulate Systems Inc. v. Apple Computer, Inc., "Defendant Apple Computer, Inc.'s Certificate of Compliance with Local Rule 7.1(A)(2)" Sept. 12, 1997
	AHH	Articulate Systems Inc. v. Apple Computer, Inc., "Defendant Apple Computer, Inc.'s Motion for Impoundment", Sept. 12, 1997.

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	Applicant Thomas R. Firman		
	Filing Date May 9, 2001	Group Art Unit 2641	

Other Documents (include Author, Title, Date, and Place of Publication)		
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	AII	Articulate Systems Inc. v. Apple Computer, Inc., "Defendant Apple Computer, Inc.'s Statement of Undisputed Material Facts", Oct. 23, 1997.
	AJJ	Articulate Systems Inc. v. Apple Computer, Inc., "Defendant Apple Computer's Reply Memorandum In Support of Its Motion for Summary Judgment That Articulate's Patent is Invalid For Indefiniteness", Nov. 12, 1997.
	AKK	Olsen, letter to Lussier dated Nov. 3, 1997.
	AII	Lussier, letter to Olson dated Nov. 4, 1997.
	AMM	Olsen, letter to Lussier dated Nov. 5, 1997.
	ANN	Articulate Systems Inc. v. Apple Computer, Inc., "Articulate's Opposition to Apple's Motion for Leave to File a Reply Brief in Support Of Its Summary Judgment Motion That Articulate's Patent Is Invalid For Indefiniteness", Nov. 24, 1997.
	AOO	Articulate Systems Inc. v. Apple Computer, Inc., "Apple Computer Inc.'s Supplemental Memorandum In Support Of Its Motions For Summary Judgment", April 30, 1998.
	APP	Articulate Systems Inc. v. Apple Computer, Inc., "Plaintiff's Articulate's Supplemental Memorandum re Apple's Summary Judgment Motions Heard on April 16, 1998", April 30, 1998.
	AQQ	Articulate Systems Inc. v. Apple Computer, Inc., "Report and Recommendation Regarding Defendant's Motion For Summary Judgment That Plaintiff's Patent Is Invalid Under 35 U.S.C. §102(b) (Docket No. 35), April 16, 1999.
	ARR	Articulate Systems Inc. v. Apple Computer, Inc., "Order On Report and Recommendation Of The Magistrate Judge Regarding Defendant's Motion For Summary Judgment On The Issue Of Patent Invalidity", May 11, 1999.
	ASS	Articulate Systems Inc. v. Apple Computer, Inc., "Report and Recommendation Regarding Defendant Apple Computer, Inc.'s Motion For Summary Judgment That Articulate's Patent is Invalid For Indefiniteness (Docket No. 135)", July 21, 1999.
	ATT	Articulate Systems Inc. v. Apple Computer, Inc., "Objections To Report and Recommendation Regarding Defendant Apple Computer, Inc.'s Motion For Summary Judgment That Articulate's Patent Is Invalid For Indefiniteness", Aug. 4, 1999.
	AUU	Articulate Systems Inc. v. Apple Computer, Inc., "Articulate's Response to Apple's Objections To The Magistrate Judge's Report and Recommendation Regarding Defendant Apple Computer, Inc.'s Motion For Summary Judgment That Articulate's Patent Is Invalid For Indefiniteness", Aug 19, 1999.
	AVV	Articulate Systems Inc. v. Apple Computer, Inc., "Defendant Apple Computer, Inc.'s Motion For Impoundment of Confidential Information", Feb. 5, 1997.
	AWW	Articulate Systems Inc. v. Apple Computer, Inc., "Defendant Apple Computer, Inc.'s Motion For Summary Judgment That Plaintiff Articulate Systems Inc.'s Patent Is Invalid Under 35 U.S.C. §102(b)", Feb. 5, 1997.
	AXX	Articulate Systems Inc. v. Apple Computer, Inc., "Articulate's Assented-To Motion To Impound Documents Containing Confidential Material", filed March 12, 1997, allowed April 3, 1997.
	AYY	"Dependent Claims That Refer to High Level or Higher Level Events", from Patent No. 5,377,303.
	AZZ	Articulate Systems Inc. v. Apple Computer, Inc., Deposition Transcript of Timothy John Crawford Morgan, April 2, 1997.

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	Applicant Thomas R. Firman		
	Filing Date May 9, 2001	Group Art Unit 2641	

**Other Documents (include Author, Title, Date, and Place of Publication)**

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	AAAA	U.S. Application Serial No. 07/973,435, filed Nov. 9, 1992, "Response to Action Dated 3/11/93", April 13, 1993.
	ABBB	Articulate Systems Inc. v. Apple Computer, Inc., "Declaration of Christopher N. Olsen In Support of Apple's Motion For Summary Judgment That Articulate's Patent Is Invalid For Indefiniteness", Sept. 9, 1997.
	ACCC	Articulate Systems Inc. v. Apple Computer, Inc., Transcript of Deposition Upon Oral Examination of Thomas Firman, April 4, 1997.
	ADDD	Articulate Systems Inc. v. Apple Computer, Inc., Deposition transcript of David L. Feigenbaum, May 2, 1997.
	AEEE	Application copy, "Voice Controlled Computer Interface", filed June 23, 1989.
	AFFF	Examiner's action dated July 14, 1992.
	AGGG	Applicant's response to examiner's action dated January 9, 1992, filed May 11, 1992.
	AHHH *	"SID - Sound Digitizer," Assembly Manual, Cedar Technologies, pp. 1-15, 1989.
	AIII *	Zue et al., "Speech Database Development at MIT: TIMIT and Beyond," Speech Communication, Vol. 9, pp. 351-356 (1990).
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	APPP *	Isenberg, "Designing Speech Recognition Interfaces for Talkers and Tasks," Human - Computer Interaction, Advances in Human Factors/Ergonomics, August 18-20, 1984.
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	AUUU *	Rosenbaum, "Perfect Secrets," MacUser, pp. 127-1238, 132, 134-135, Nov. 1988.
	AVVV *	Bradbury, Quick Clicks, "Tempo II," MacUser, pp. 72-73, Dec. 1988.
	AWWW *	Langston, Quick Clicks, "AutoMac III," MacUser, p. 86, Feb. 1989.
	AXXX *	Andres, "Fitted Sheets," MacUser, pp. 149-153, 156-161, 164-167, 170, April 1989.

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		Filing Date May 9, 2001	Group Art Unit 2641

(37 CFR §1.98(b))

Other Documents (include Author, Title, Date, and Place of Publication)		
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	AYYY *	MacUser, Letter from Gina Ciampa, September 16, 1988.
	AZZZ *	Schmandt et al., "Phone Slave: A Graphical Telecommunications Interface."
	AAAAA *	Arons et al., "The VOX Audio Server," 2 <sup>nd</sup> IEEE Comsoc International Multimedia Communications Workshop, Multimedia '89, Ottawa, Ontario, April 20-23, 1989.
	ABBBB *	Schmandt, "Speech Synthesis Gives Voiced Access to An Electronic Mail System," Speech Technology, pp. 66-68, August/September 1984.
	ACCCC *	The Weekly Voice, Berkeley, California, Thursday, December 15, 1988.
	ADDDD *	The Weekly Voice, Berkeley, California, Friday, November 25, 1988.
	AEEEE *	The Weekly Voice, Berkeley, California, Wednesday, November 23, 1988.
	AFFFF *	Shaffer, "The Mac Means Opportunity," Personal Computing, p. 39, February 1987.
	GGGG *	Duke, "Can We Talk?" The Wall Street Journal, pp. 27D, 28D, November 10, 1986.
	AHHHH *	Baig, "Teaching Personal Computers to Listen," Fortune, December 1985.
	AIIII *	Davis, "Dragon Systems Program May Enhance Computers' Ability to Recognize Speech," reprinted from the Wall Street Journal, November 18, 1985.
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	QQQQ *	<a href="http://www.dragonsys.com/main/docs/about/milestone.html">http://www.dragonsys.com/main/docs/about/milestone.html</a> , p. 7, September 25, 2001.
	ARRRR *	Rivera, Minerva, Examiner's Office Action in Application No. 10/102,047, April 8, 2005.
	ASSSS *	Rivera, Minerva, Examiner's Final Action in Application No. 10/102,047, November 10, 2005.

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